

**R 336.1240 Required air quality models.**

Rule 240. All air quality modeling demonstrations required by 40 C.F.R. §52.21, R 336.1220, or used to support or amend the state implementation plan shall be made in accordance with the models and procedures in 40 C.F.R. §51.160(f) and appendix W (2002). The department adopts by reference in these rules the provisions of 40 C.F.R. §51.160(f) and appendix W (2002). A copy of 40 C.F.R. §51.160(f) and appendix W (2002) may be inspected at the Lansing office of the air quality division of the department of environmental quality. Copies of 40 C.F.R. §51.160(f) and appendix W (2002) may be obtained from the Department of Environmental Quality, Air Quality Division, 525 West Allegan Street, P.O. Box 30260, Lansing, Michigan 48909-7760, at a cost as of the time of adoption of these rules of \$40.00; from the Superintendent of Documents, P.O. Box 371954, Pittsburgh, Pennsylvania 15250-7954, at a cost as of the time of adoption of these rules of \$40.00; or on the United States government printing office internet web site at <http://www.gpo.gov>.

*History: 1979 ACS 1, Eff. Jan. 19, 1980; 1989 MR 4, Eff. Apr. 20, 1989; 2003 MR 12, Eff. July 1, 2003.*

**R 336.1241 Air quality modeling demonstration requirements.**

Rule 241. (1) All air quality modeling demonstrations required by the department which are not subject to R 336.1240 shall be consistent with all of the following requirements:

(a) The modeling is performed using at least 1 calendar year of meteorological data collected at a national weather service station.

(b) Meteorological data from a site other than a national weather service station may be used if it is demonstrated, to the satisfaction of the department, to be more representative of the meteorological conditions at the stationary source.

(c) The receptor grid network shall be sufficiently dense and strategically located to ensure, to the satisfaction of the department, that maximum ambient air quality concentrations are predicted.

(d) The modeling demonstration shall not give credit for any dispersion enhancement technique, including any of the following:

(i) Any portion of stack height that exceeds good engineering practice design, unless such stack height existed before December 31, 1970.

(ii) Any technique that varies source emissions according to atmospheric conditions or ambient concentrations.

(2) In the best interest of public health, safety, welfare, and the environment, the department may approve the use of an alternate model if all of the following conditions are met:

(a) A request for utilization of an alternate model is submitted to the department.

(b) The applicant demonstrates to the department, using the appropriate methodology cited in 40 C.F.R., part 51, appendix W, adopted by reference in R 336.1240, that the

alternate model produces concentration estimates equivalent to the estimates obtained from the preferred model.

(c) The alternate model or its algorithms are sufficiently described and documented to enable the department to duplicate results.

(d) Output from the alternate model is sufficient to enable comparison with any applicable ambient air quality standard.

(e) The applicant agrees to provide an executable copy of the model for future use by the department.

(3) The use of an alternate model previously approved by the department may be extended for use by others if it is documented, to the satisfaction of the department, that the conditions for which the model will be applied are essentially the same as those for which the alternate model was originally approved.

*History: 1979 ACS 1, Eff. Jan. 19, 1980; 1989 MR 4, Eff. Apr. 20, 1989; 2003 MR 12, Eff. July 1, 2003.*

### **R 336.1278 Exclusion from exemption.**

Rule 278. (1) The exemptions specified in R 336.1280 to R 336.1290 do not apply to either of the following:

(a) Any activity that is subject to 40 C.F.R. §52.21, prevention of significant deterioration regulations, or R 336.1220, nonattainment new source review regulations.

(b) Any activity that results in an increase in actual emissions greater than the significance levels defined in R 336.1119.

For the purpose of this rule, “activity” means the concurrent and related installation, construction, reconstruction, relocation, or modification of any process or process equipment.

(2) The exemptions specified in R 336.1280 to R 336.1290 do not apply to the construction of a new major source of hazardous air pollutants or reconstruction of a major source of hazardous air pollutants, as defined in and subject to 40 C.F.R. §63.2 and §63.5(b)(3), national emission standards for hazardous air pollutants.

(3) The exemptions specified in R 336.1280 to R 336.1290 do not apply to a construction or modification as defined in and subject to 40 C.F.R. part 61, national emission standards for hazardous air pollutants.

(4) The exemptions in R 336.1280 to R 336.1290 apply to the requirement to obtain a permit to install only and do not exempt any source from complying with any other applicable requirement or existing permit limitation.

*History: 1993 MR 11, Eff. Nov. 18, 1993; 1994 MR 2, Eff. Mar. 31, 1994; 1995 MR 7, Eff. July 26, 1995; 1996 MR 11, Eff. Dec. 12, 1996; 1997 MR 7, Eff. June 15, 1997; 1998 MR 6, Eff. July 2, 1998; 2003 MR 12, Eff. July 1, 2003.*